

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

Claim 1 (canceled).

Claim 2 (currently amended): ~~A composition~~ The insulation varnish according to ~~claim 1~~ claim 9, in which the thermoplastic or thermosetting resin is selected from the group consisting of: polyamide imide (PAI), polyester imide (PEI), polyimide (PI), polyester (PE), polyurethane (PU), polyvinylacetal (PVA), and mixtures thereof.

Claim 3 (currently amended): ~~A composition~~ The insulation varnish according to ~~claim 1~~ claim 9, in which the copolymer is obtained by adding 10% to 50% by weight of alkoxysilane.

Claim 4 (currently amended): ~~A composition~~ The insulation varnish according to ~~claim 1~~ claim 9, in which the alkoxysilane is selected from tetraalkoxysilanes and trialkoxysilanes.

Claim 5 (currently amended): ~~A composition~~ The insulation varnish according to ~~claim 1~~ claim 9, in which the mineral filler is selected from oxides and nitrides of B, Al, Ti, Zn, Zr, Cr, and Fe.

Claim 6 (currently amended): ~~A composition~~ The insulation varnish according to ~~claim 1~~ claim 9, in which the mineral filler is selected from silicates.

Claim 7 (currently amended): ~~A composition~~ The insulation varnish according to ~~claim 1~~ claim 9, comprising 2% to 20% by weight of mineral filler.

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Claim 8 (currently amended): ~~A composition~~ The insulation varnish according to claim 1
claim 9, in which the mineral filler has a specific surface area greater than 40 m²/g.

Claim 9 (currently amended): An insulation varnish for a winding wire, the varnish comprising a composition ~~in accordance with claim 1~~ comprising: a) a copolymer obtained from a thermoplastic or thermosetting resin and at least one alkoxysilane; and b) a mineral filler selected from compounds of B, Al, Ti, Zn, Zr, Cr, Fe, and silicates, and mixtures thereof, the insulation varnish enabling the winding wire to withstand partial discharges.

Claim 10 (currently amended): A method of manufacturing ~~a composition~~ an insulation varnish in accordance with ~~claim 1~~ claim 9, the method comprising the following steps: copolymerizing the thermoplastic or thermosetting resin with at least one alkoxysilane; adding a mineral filler selected from compounds of B, Al, Ti, Zn, Zr, Cr, Fe, silicates, and mixtures thereof; and homogenizing.

Claim 11 (original): A method according to claim 10, in which synthesis is performed in a solvent selected from ortho-cresyl, meta-cresyl, para-cresyl, cresylic acid, N-methylpyrrolidone, dimethylacetamide (DMAC), and mixtures thereof.

Claim 12 (original): A method according to claim 10, in which the reaction is performed in the presence of a catalyst selected from pTSA, dibutyltin, and a polysiloxane.

Claim 13 (currently amended): A method of manufacturing a winding wire, the method comprising the following steps: applying ~~a varnish comprising a composition~~ the insulation varnish in accordance with ~~claim 1~~ claim 9 on the wire; and setting the varnish.

Claim 14 (original): A winding wire obtained by the method of claim 13.

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Claim 15 (currently amended): A coil comprising a conductor wire covered in ~~a varnish comprising a composition~~ the insulation varnish in accordance with ~~claim 1~~ claim 9.

Claim 16 (currently amended): ~~A composition~~ The insulation varnish according to claim 3, in which the copolymer is obtained by adding 20% to 40% by weight of alkoxysilane.

Claim 17 (currently amended): ~~A composition~~ The insulation varnish according to claim 4, in which the tetraalkoxysilane is tetraethoxysilane (TEOS) and the trialkoxysilane is selected from the group consisting of trimethoxysilane and aminopropyl-trimethoxysilane.

Claim 18 (currently amended): ~~A composition~~ The insulation varnish according to claim 5, in which the mineral filler is titanium dioxide.

Claim 19 (currently amended): ~~A composition~~ The insulation varnish according to claim 6, in which the silicate is selected from the group consisting of clays, nanocomposite clays, and mica.

Claim 20 (currently amended): ~~A composition~~ The insulation varnish according to claim 7, comprising 5% to 15% by weight of mineral filler.

Claim 21 (new): The insulation varnish according to claim 9, wherein the wire is able to withstand peak-to-peak voltages of up to 3 kV at a frequency of up to 20 kHz with rise times of up to 1 kV/ μ s at a temperature of up to 180 °C.

Claim 22 (new): The winding wire according to claim 14, wherein the wire is able to withstand peak-to-peak voltages of up to 3 kV at a frequency of up to 20 kHz with rise times of up to 1 kV/ μ s at a temperature of up to 180 °C.